

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q66372

Keiji YURUGI, et al.

Group Art Unit: 1621

Appln. No.: 09/982,861

Examiner: Karl J. PUTTLITZ

Confirmation No.: 7705

Patent No.: 7,321,051

Filed: October 22, 2001

Issue Date: January 22, 2008

For: COMPOSITION OF VINYL ETHER GROUP-CONTAINING (METH) ACRYLIC
ACID ESTER AND PRODUCTION METHOD THEREOF

SECOND REQUEST FOR CERTIFICATE OF CORRECTION

ATTN: Certificate of Correction Branch

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 C.F.R. § 1.322, please enter the attached Certificate of Correction.

Particularly, it is first noted that in the printing of the U.S. Patent 7,321,051 B2, it appears that the printer inadvertently left out the term "ACID" in the title preceding "ESTER". Second, in preparing the first request for Certificate of Correction, a portion of claim 1 other than the part being corrected, viz., a portion appearing at column 54, lines 34 - 48; that portion is included in this Second Request for Certificate of Correction.

Since the errors noted are believed to be the Applicant's responsibility, the USPTO is directed and authorized to charge the statutory fee of \$100.00 and all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

SECOND REQUEST FOR CERTIFICATE OF CORRECTION Attorney Docket No.: Q66372
U.S. Application No.: 09/982,861

In view of the foregoing, issuance of the Certificate of Correction is respectfully
requested.

SUGHRUE MION, PLLC
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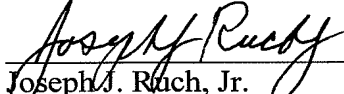
WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: November 7, 2008

Respectfully submitted,



Joseph J. Ruch, Jr.
Registration No. 26,577

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO: 7,321,051
DATED: January 22, 2008
INVENTORS: Keiji YURUGI and Hiroko YAMAGUCHI

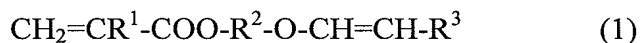
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please amend the title as follows:

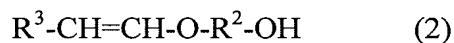
COMPOSITION OF VINYL ETHER GROUP-CONTAINING (METH) ACRYLIC
ACID ESTER AND PRODUCTION METHOD THEREOF

In column 54, please amend claim 1 as follows:

1. A method of producing a vinyl ether group-containing (meth) acrylic ester represented by the following formula (1):



in the formula, R^1 represents a hydrogen atom or a methyl group, R^2 represents a straight, branched or cyclic alkylene group containing 2 to 20 carbon atoms, an alkylene group containing 2 to 20 carbon atoms and having at least one oxygen atom in the form of an ether linkage and/or an ester linkage within the structure thereof, or an aromatic group which contains 6 to 11 carbon atoms and may optionally be substituted, R^3 represents a hydrogen atom, a straight, branched or cyclic alkyl group containing 1 to 10 carbon atoms, or an aromatic group which contains 6 to 11 carbon atoms and may optionally be substituted, and which comprises reacting a hydroxyl group-containing vinyl ether represented by the following formula (2):



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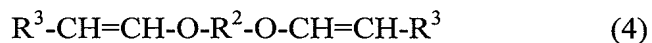
PATENT NO: 7,321,051
DATED: January 22, 2008
INVENTORS: Keiji YURUGI and Hiroko YAMAGUCHI

in the formula, R^2 represents a straight, branched or cyclic alkylene group containing 2 to 20 carbon atoms, an alkylene group containing 2 to 20 carbon atoms and having at least one oxygen atom in the form of an ether linkage and/or an ester linkage within the structure thereof, or an aromatic group which contains 6 to 11 carbon atoms and may optionally be substituted, and R^3 represents a hydrogen atom, a straight, branched or cyclic alkyl group containing 1 to 10 carbon atoms, or an aromatic group which contains 6 to 11 carbon atoms and may optionally be substituted,

with a (meth) acrylic ester represented by the following formula (3):



in the formula, R^1 represents a hydrogen atom or a methyl group and R^4 represents a straight, branched or cyclic alkyl group containing 1 to 8 carbon atoms and wherein said hydroxyl group-containing vinyl ether contains, as an impurity, at least one compound selected from the group consisting of a divinyl ether represented by the following formula (4):

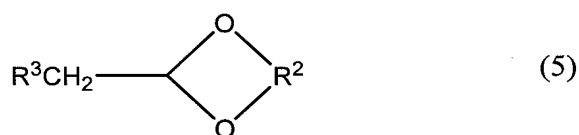


**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO: 7,321,051
DATED: January 22, 2008
INVENTORS: Keiji YURUGI and Hiroko YAMAGUCHI

in the formula, R^2 represents a straight, branched or cyclic alkylene group containing 2 to 20 carbon atoms, an alkylene group containing 2 to 20 carbon atoms and having at least one oxygen atom in the form of an ether linkage and/or an ester linkage within the structure thereof, or an aromatic group which contains 6 to 11 carbon atoms and may optionally be substituted, and the two R^3 groups are the same or different and each represents a hydrogen atom, a straight, branched or cyclic alkyl group containing 1 to 10 carbon atoms, or an aromatic group which contains 6 to 11 carbon atoms and may optionally be substituted,

a 2-substituted-1, 3-dioxo compound represented by the following formula (5):

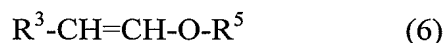


in the formula, R^2 represents a straight, branched or cyclic alkylene group containing 2 to 20 carbon atoms, an alkylene group containing 2 to 20 carbon atoms and having at least one oxygen atom in the form of an ether linkage and/or an ester linkage within the structure thereof, or an aromatic group which contains 6 to 11 carbon atoms and may optionally be substituted, and R^3 represents a hydrogen atom, a straight, branched or cyclic alkyl group containing 1 to 10 carbon atoms, or an aromatic group which contains 6 to 11 carbon atoms, and may optionally be substituted, and

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an unsaturated bond-containing vinyl ether represented by the following
formula (6):



in the formula, R^3 represents a hydrogen atom, a straight, branched or cyclic alkyl group containing 1 to 10 carbon atoms, or an aromatic group which contains 6 to 11 carbon atoms and may optionally be substituted; R^5 represents an organic residue containing an unsaturated bond represented by $-CR^6=CR^7$; and R^6 and R^7 are the same or different and each represents a hydrogen atom or an organic residue.

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PATENT NO. 7,321,051

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